

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A system that maps an anonymous first construct of a markup language domain to a second construct of another object oriented language domain comprising a computer-readable storage medium, comprising the following computer-executable components:

a bank that stores at least one of a set of suppress field labels and a set of introduce field labels; and

a mapping component that maps the anonymous first construct of the XML domain to the second construct of the object domain by assigning an introduce field to represent the anonymous first construct in the object domain. ~~utilizes at least one of a suppress field label and an introduce field label to facilitate mapping the first construct of a domain to the second construct of another domain.~~

2. (Currently Amended) The system of claim 1, wherein the anonymous first construct is a sequence field having an unbounded occurrence constraint. ~~first construct is a named or an anonymous construct and the second construct is a named or an anonymous construct, and the mapping comprises one of transforming the first named construct to the second named construct; the first named construct to the second anonymous construct; the first anonymous construct to the second named construct; and the first anonymous construct to the second anonymous construct.~~

3. (Currently Amended) The system of claim 2, wherein the second construct comprises a first class having a nested class as a member that is assigned the introduce field as a name. ~~1, wherein the first construct is one of a markup language construct, an object oriented language construct, a relational construct and a user interface construct, and the second construct is one of a markup language construct, an object oriented language construct, a relational construct and a user interface construct.~~

4. (Currently Amended resented) The system of claim 3~~1~~, wherein the markup language ~~construct-domain~~ is one of ~~an XML and aor CLR-construct~~, and the object oriented language construct-domain is one of a C++, a C#, a Java, or and a Visual Basic-construct, ~~and the relational construct is a SQL-construct.~~

5. (Currently Amended) The system of claim 1, wherein the ~~mapping is isomorphic-mapping~~ component also maps the second construct back to the anonymous first construct by suppressing the introduce field such that the introduce field does not appear in the anonymous first construct.

6. (Previously Presented) The system of claim 1, further comprising a mapping file that provides one or more of a default mapping, a user customized mapping, and a mediating schema that facilitates mapping the first construct to the second construct.

7. (Previously Presented) The system of claim 6, wherein the user customized mapping defines a construct structure to suppress and introduce labels.

8. (Previously Presented) The system of claim 6, wherein the user customized mapping comprises at least one of an annotating type and an annotating schema.

9. (Previously Presented) The system of claim 6, wherein the default mapping is based on one or more of a heuristic, an inference, a probability and machine learning.

10. (Previously Presented) The system of claim 6, wherein the mediating schema transforms constructs to an intermediate representation at least one of before, during and after transforming the first construct.

11-12. (Canceled)

13. (Currently Amended) A method that transforms constructs between a markup language domains and an object oriented language domain, comprising:

receiving an anonymous first construct of a markup language domain; and
converting the anonymous first construct into a second construct of an object oriented language domain by assigning an introduce field to represent the anonymous first construct in the object domain.

~~obtaining a mapping associated with the construct; and~~
~~employing the mapping to transform the construct of a first domain to a second construct of another domain.~~

14. (Currently Amended) The method of claim 13, wherein the anonymous first construct is a sequence field having an unbounded occurrence constraint, and wherein the second construct comprises a first class having a nested class as a member that is assigned the introduce field as a name. ~~further comprising transforming one of a named construct to a different named construct; a named construct to an anonymous construct; an anonymous construct to a different anonymous construct; and an anonymous construct to a named construct.~~

15. (Previously Presented) The method of claim 13, wherein the transformation is lossless.

16. (Currently Amended) The method of claim 13, further comprising:
converting the second construct back to the anonymous first construct by suppressing the introduce field such that the introduce field does not appear in the anonymous first construct.
~~wherein the mapping comprises one or more of a suppress field label, an introduce field label, a default mapping, a user customized mapping, and a mediating schema.~~

17. (Previously Presented) The method of claim 13, wherein the mapping is based on one or more of a heuristic, an inference, a probability and machine learning.

18. (Canceled)

19. (Currently Amended) The method of claim ~~18~~13, ~~wherein the mapping comprises at least one of a suppress field label, an introduce field label, a default mapping, a user customized mapping, and~~wherein the anonymous first construct is converted to the second construct using a mediating schema.

20. (Currently Amended) The method of claim 19, wherein the mediating schema transforms the anonymous first constructs to an intermediate representation and then converts the intermediate representation to the second construct. ~~at least one of before, during and after transforming the construct.~~

21-31. (Canceled)

32. (New) A computer-readable storage medium storing computer executable instructions which when executed by a processor perform a method that transforms constructs between a markup language domain and an object oriented language domain, comprising:

receiving an anonymous first construct of a markup language domain; and

converting the anonymous first construct into a second construct of an object oriented language domain by assigning an introduce field to represent the anonymous first construct in the object domain.